

200bp
AMPLIFICATIONS
33 CYCLES

LANE	Q#	SAMPLE TYPE	SAMPLE NUMBER	GRADE
1	7903.8	ABNORMAL	1	A
2	5627.4	ABNORMAL	2	A
3	8809.11	ABNORMAL	3	A
4	5421.94	ABNORMAL	4	A
5	1838.07	POSITIVE CONTROL		B
6	-549.23	NORMAL	5	C
7	-715	NORMAL	6	C
8	-1605.13	NORMAL	7	C
9	-824.73	NORMAL	8	C
10	259.77	NORMAL	9	C
11		NEG CONTROL	-	
12		NEG CONTROL	-	
13	400	400	STANDARD	
14	2000	2000	STANDARD	
15	4000	4000	STANDARD	
16	6000	6000	STANDARD	
17	8000	8000	STANDARD	
18	10000	10000	STANDARD	

A= >2000
B= 500-2000
C= <500

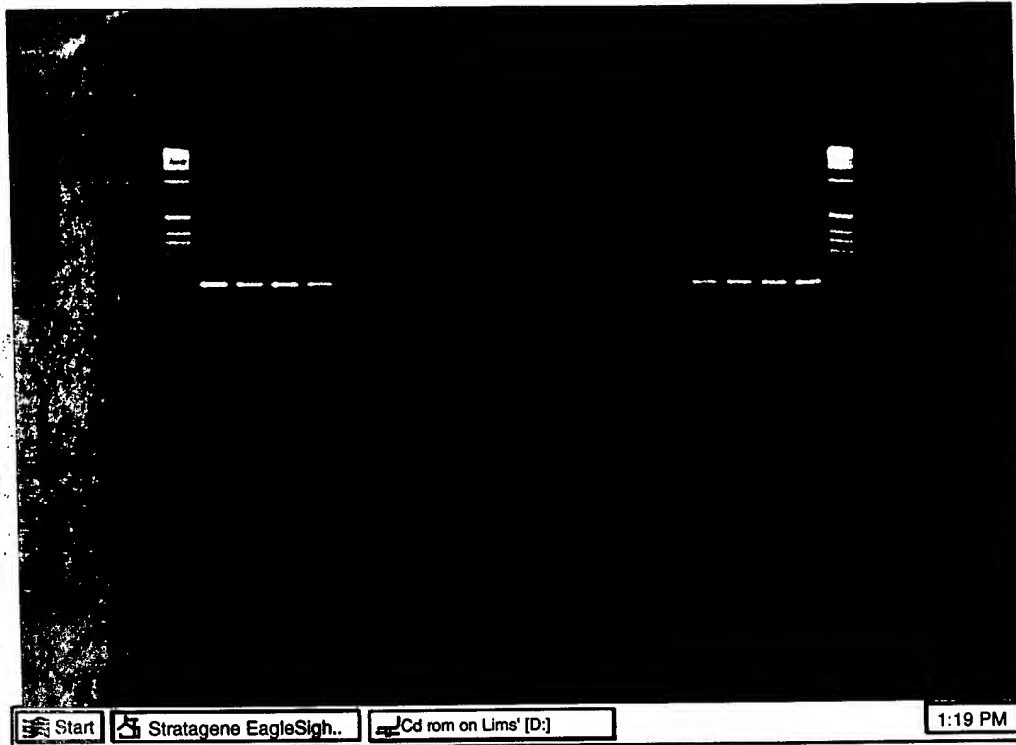
FIG. 1

17621 U.S. PTO
08/28/03

Applicants: Shuber
Serial No.: 09/514,865 Filing Date: February 28, 2000
Title: Methods for Disease Detection
Atty.: Daniel A. Wilson Reg. No. 45,508
Atty. Phone No.: (617) 248-7226
Express Mail Mailing Label No.: EV260609854US
Docket: EXT-036 Sheet 2 of 13

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2 4 6 8 10 12 14 16 18
1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 17 |



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AMPLIFICATIONS
35 CYCLES

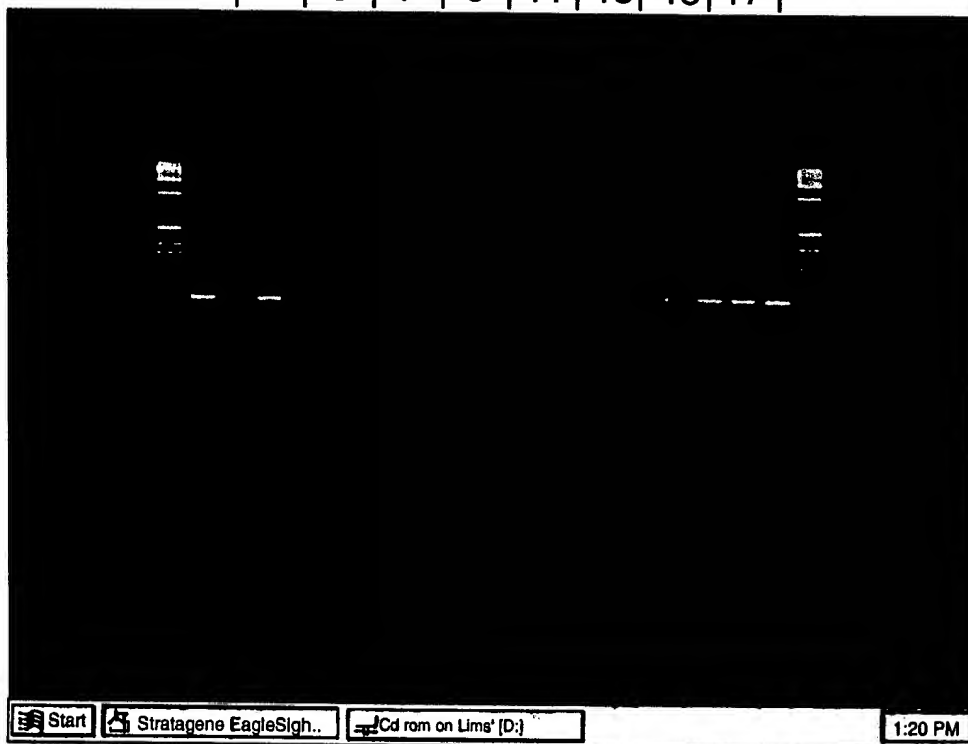
LANE	Q#	SAMPLE TYPE	SAMPLE NUMBER	GRADE
1	10851.04	ABNORMAL	1	A
2	8862.34	ABNORMAL	2	A
3	9777.85	ABNORMAL	3	A
4	6874.28	ABNORMAL	4	A
5	2392.07	POSITIVE CONTROL		B
6	3080.62	NORMAL	5	B
7	813.45	NORMAL	6	C
8	-720.04	NORMAL	7	C
9	-442.2	NORMAL	8	C
10	1353.86	NORMAL	9	B
11		NEG CONTROL	-	
12		NEG CONTROL	-	
13	400	400	STANDARD	
14	2000	2000	STANDARD	
15	4000	4000	STANDARD	
16	6000	6000	STANDARD	
17	8000	8000	STANDARD	
18	10000	10000	STANDARD	

A= >5000
B= 1000-5000

Fig 2

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2 4 6 8 10 12 14 16 18
1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 17 |



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AMPLIFICATIONS
34 CYCLES

LANE	Q#	SAMPLE TYPE	SAMPLE NUMBER	GRADE
1	8428.34	ABNORMAL	1	A
2	4917.31	ABNORMAL	2	A
3	7742.22	ABNORMAL	3	A
4	3049.85	ABNORMAL	4	A
5	409.5	POSITIVE CONTROL		B
6	-682.75	NORMAL	5	C
7	-781.09	NORMAL	6	C
8	-1099.28	NORMAL	7	C
9	-1015.39	NORMAL	8	C
10	359.74	NORMAL	9	B
11		NEG CONTROL	-	
12		NEG CONTROL	-	
13	400	400	STANDARD	
14	2000	2000	STANDARD	
15	4000	4000	STANDARD	
16	6000	6000	STANDARD	
17	8000	8000	STANDARD	
18	10000	10000	STANDARD	

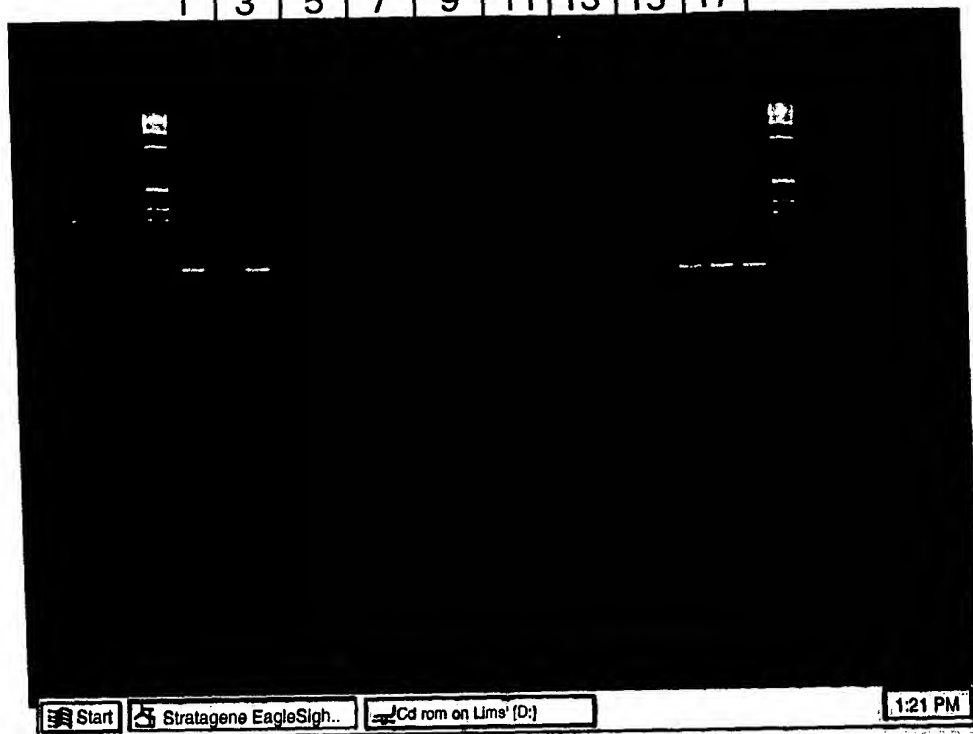
A= >750
B= 250-750
C= <250

FIG. 3

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2 4 6 8 10 12 14 16 18
 1 3 5 7 9 11 13 15 17



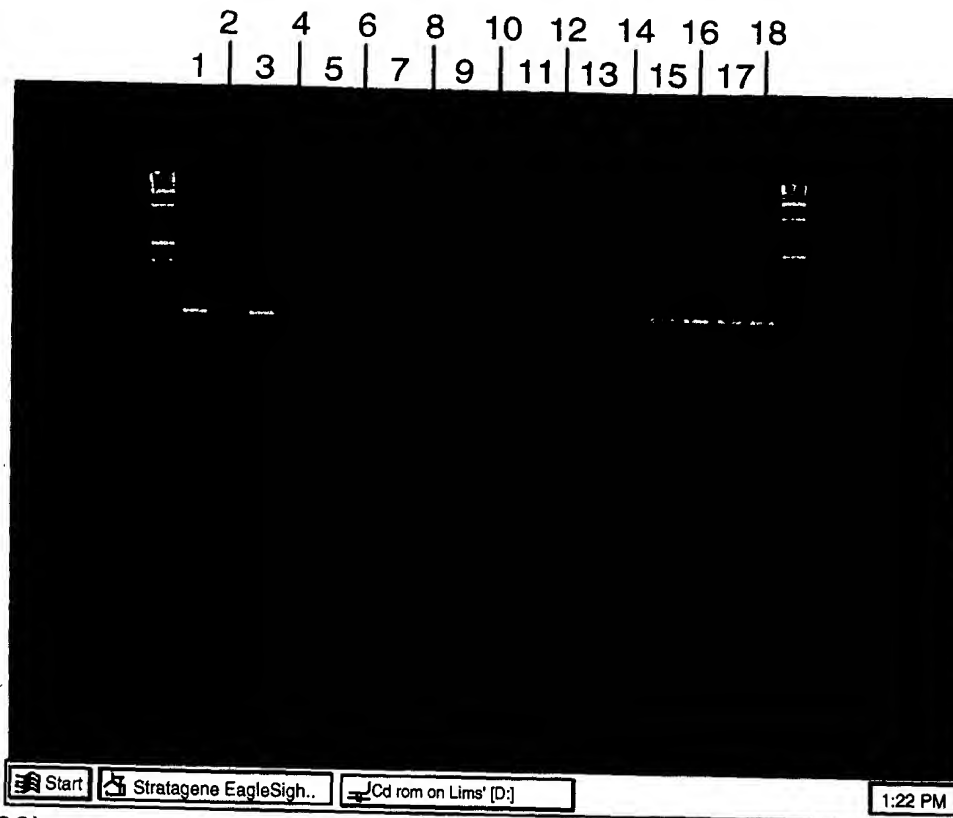
200bp
 AMPLIFICATIONS
 33 CYCLES

LANE	Q#	SAMPLE TYPE	SAMPLE NUMBER	GRADE
1	7879.15	ABNORMAL	1	A
2	4079.09	ABNORMAL	2	A
3	7995.95	ABNORMAL	3	A
4	2600.3	ABNORMAL	4	A
5	1698.19	POSITIVE CONTROL		B
6	-405.32	NORMAL	5	C
7	-466.15	NORMAL	6	C
8	-1046.47	NORMAL	7	C
9	-764.83	NORMAL	8	C
10	105.05	NORMAL	9	C
11		NEG CONTROL	-	
12		NEG CONTROL	-	
13	400	400	STANDARD	
14	2000	2000	STANDARD	
15	4000	4000	STANDARD	
16	6000	6000	STANDARD	
17	8000	8000	STANDARD	
18	10000	10000	STANDARD	

A= >2000
 B= 500-2000
 C= <500

FIG. 4

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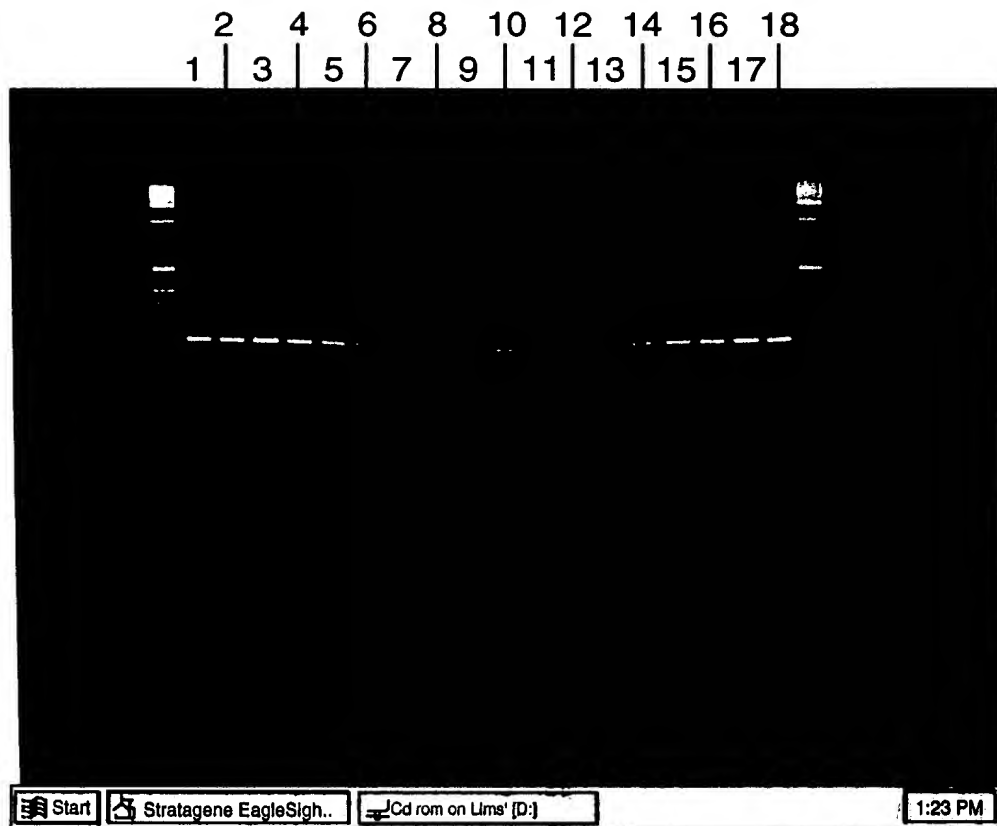
200bp
 AMPLIFICATIONS
 34 CYCLES

LANE	Q#	SAMPLE TYPE	SAMPLE NUMBER	GRADE
1	7852.95	ABNORMAL	1	A
2	4797.07	ABNORMAL	2	A
3	8543.47	ABNORMAL	3	A
4	3597.23	ABNORMAL	4	A
5	943.84	POSITIVE CONTROL		B
6	-296.7	NORMAL	5	C
7	-5.48	NORMAL	6	C
8	-896.94	NORMAL	7	C
9	-196.87	NORMAL	8	C
10	414.81	NORMAL	9	C
11		NEG CONTROL	-	
12		NEG CONTROL	-	
13	400	400	STANDARD	
14	2000	2000	STANDARD	
15	4000	4000	STANDARD	
16	6000	6000	STANDARD	
17	8000	8000	STANDARD	
18	10000	10000	STANDARD	

A= >2000
 B= 500-2000
 C= <500

FIG. 5

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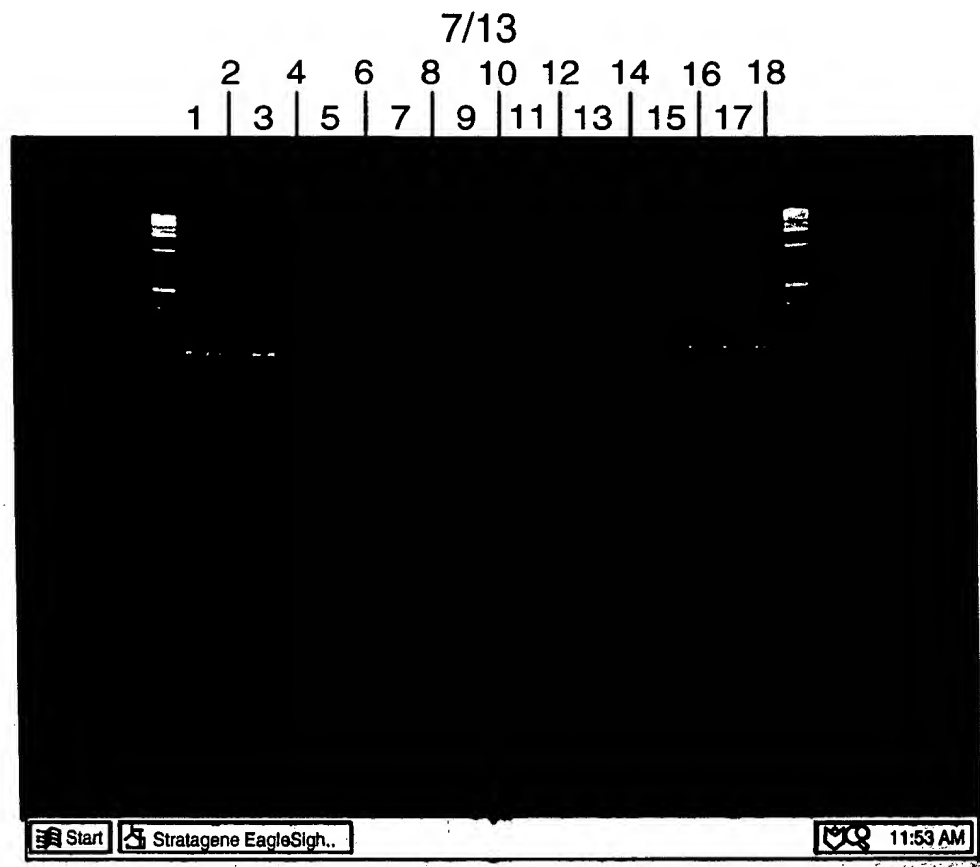
200bp
AMPLIFICATIONS
34 CYCLES

LANE	Q#	SAMPLE TYPE	SAMPLE NUMBER	GRADE
1	7660.6	ABNORMAL	1	A
2	7032.89	ABNORMAL	2	A
3	8364.31	ABNORMAL	3	A
4	6892.04	ABNORMAL	4	A
5	4883.47	POSITIVE CONTROL		A
6	1934.67	NORMAL	5	B
7	1380.84	NORMAL	6	B
8	-964.17	NORMAL	7	C
9	1729.51	NORMAL	8	B
10	2221.69	NORMAL	9	B
11		NEG CONTROL	-	
12		NEG CONTROL	-	
13	400	400	STANDARD	
14	2000	2000	STANDARD	
15	4000	4000	STANDARD	
16	6000	6000	STANDARD	
17	8000	8000	STANDARD	
18	10000	10000	STANDARD	

A= >5000
B= 1000-5000
C= <1000

FIG. 6

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AMPLIFICATIONS
33 CYCLES

LANE	Q#	SAMPLE TYPE	SAMPLE NUMBER	GRADE
1	8519.13	ABNORMAL	1	A
2	5745.19	ABNORMAL	2	A
3	9765.65	ABNORMAL	3	A
4	4153.79	ABNORMAL	4	A
5	1869.33	POSITIVE CONTROL		B
6	418.37	NORMAL	5	C
7	405.91	NORMAL	6	C
8	-258.08	NORMAL	7	C
9	141.64	NORMAL	8	C
10	450.78	NORMAL	9	C
11		NEG CONTROL	-	
12		NEG CONTROL	-	
13	400	400	STANDARD	
14	2000	2000	STANDARD	
15	4000	4000	STANDARD	
16	6000	6000	STANDARD	
17	8000	8000	STANDARD	
18	10000	10000	STANDARD	

A= >2000
B= 500-2000
C= <500

FIG. 7

1.8kb AMPLIFICATIONS 36 CYCLES			
LANE	Q#	SAMPLE	
1		NEG CONTROL	
2	102.935	ABNORMAL	
3	260.645	ABNORMAL	
4	0.075	NORMAL	
5	48.305	ABNORMAL	
6	0.045	NORMAL	
7	18.575	NORMAL	
8		NEG CONTROL	
9		NEG CONTROL	
10	75		
11	125		
12	250		
13	500		
14	1000		
ABNORMAL / NORMAL CUTOFF 40			

1 2 3 4 5 6 7 8 9 10 11 12 13 14

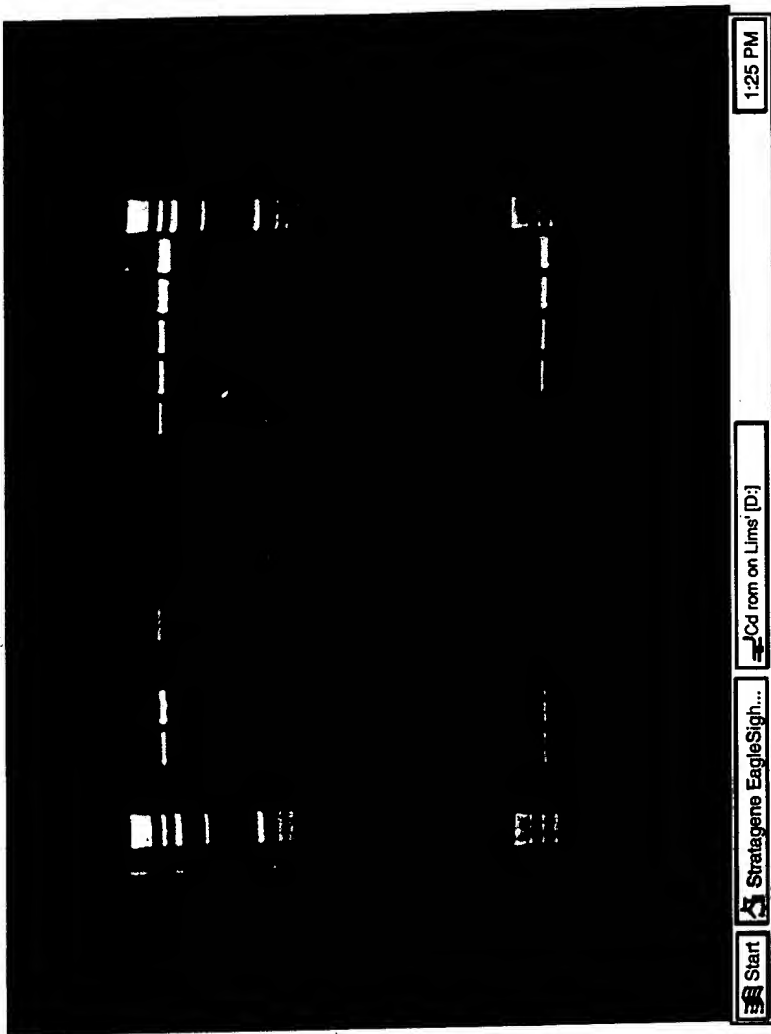


FIG. 8

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1.8kb AMPLIFICATIONS 38 CYCLES			
LANE	Q#	SAMPLE	
1		NEG CONTROL	
2	81.84	ABNORMAL	
3	91.515	ABNORMAL	
4	0.04	NORMAL	
5	24.86	ABNORMAL	
6	0.88	NORMAL	
7	17.25	NORMAL	
8		NEG CONTROL	
9		NEG CONTROL	
10	75		
11	125		
12	250		
13	500		
14	1000		

ABNORMAL / NORMAL CUTOFF 20

1 2 3 4 5 6 7 8 9 10 11 12 13 14

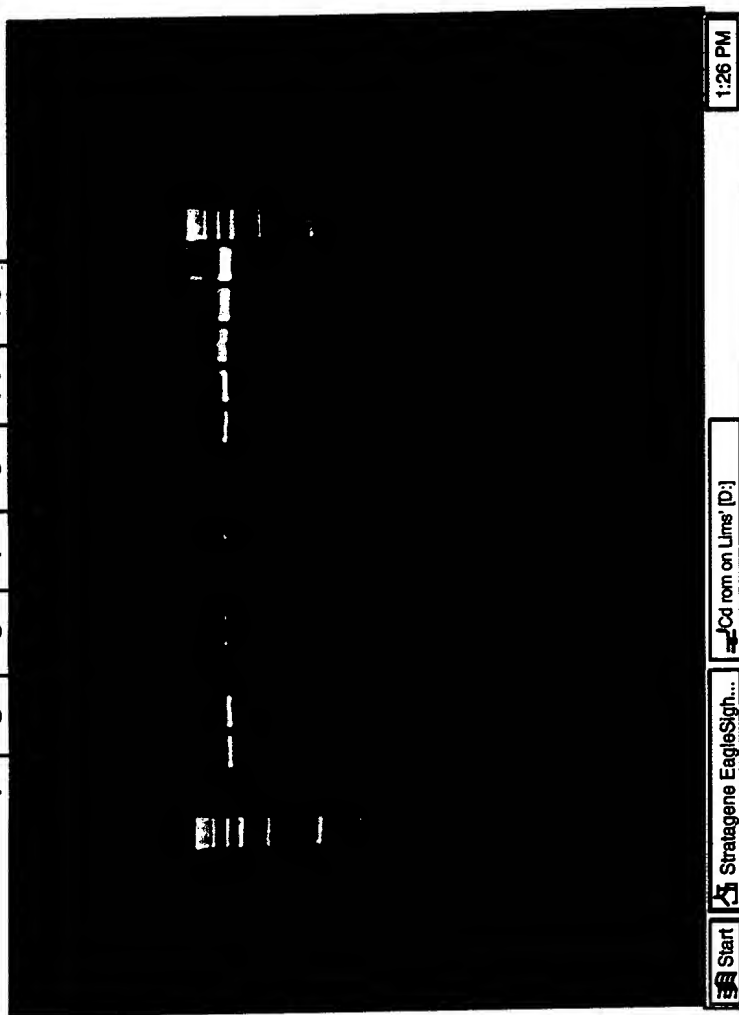


FIG. 9

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Old S'n

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1.8kb AMPLIFICATIONS 40 CYCLES			SAMPLE	
LANE	Q#			
1			NEG CONTROL	
2	70.72		ABNORMAL	
3	92.78		ABNORMAL	
4	96.76		ABNORMAL	
5	0.00		NORMAL	
6	29.85		ABNORMAL	
7	0.00		NORMAL	
8	2.00		NORMAL	
9			NEG CONTROL	
10			NEG CONTROL	
11	75			
12	125			
13	250			
14	500			
15	1000			
16	2000			

ABNORMAL / NORMAL CUTOFF 10

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

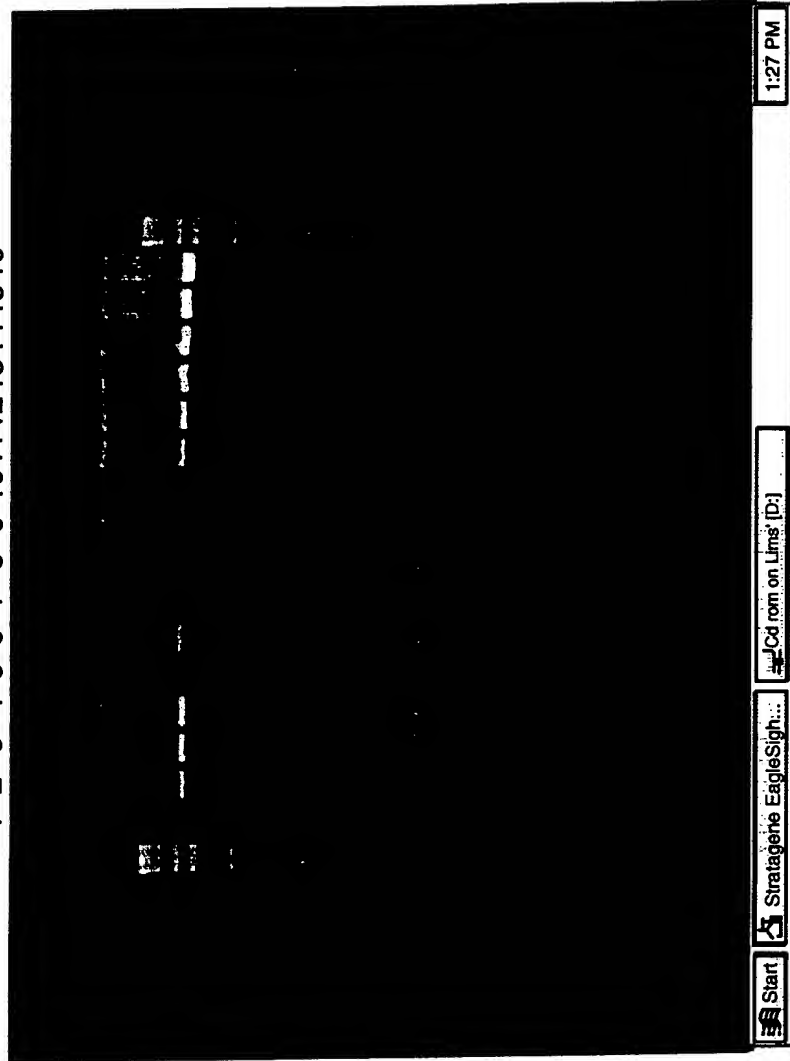


FIG. 10

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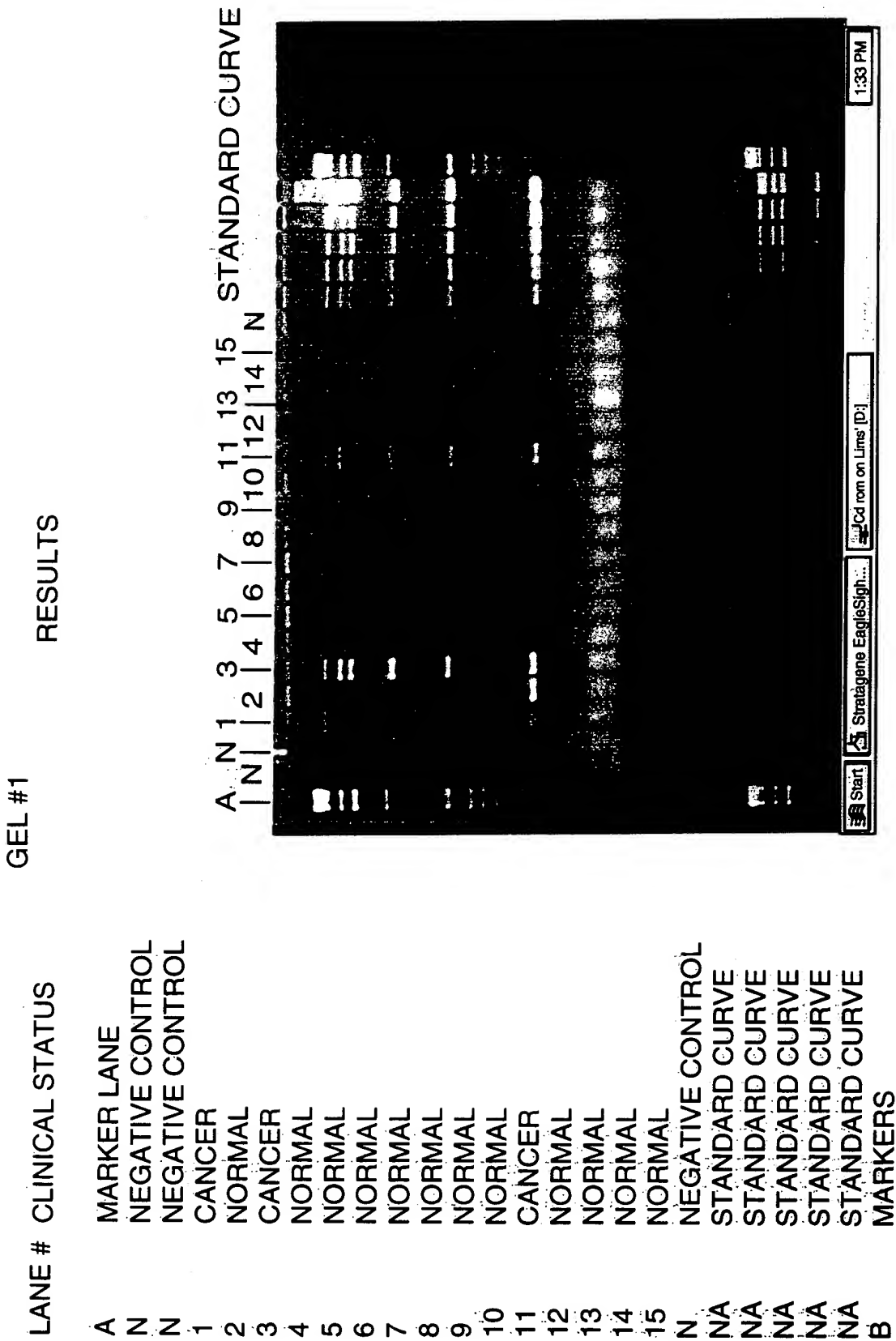


FIG. 11A

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RESULTS

GEL #2

LANE # CLINICAL STATUS

A MARKERS
N NEGATIVE CONTROL
N NEGATIVE CONTROL
16 NORMAL
17 NORMAL
18 CANCER
19 NORMAL
20 NORMAL
21 NORMAL
22 NORMAL
23 NORMAL
24 NORMAL
25 NORMAL
26 NORMAL
27 NORMAL
28 NORMAL
29 NORMAL
30 NORMAL
N NEGATIVE CONTROL
NA STANDARD CURVE
NA STANDARD CURVE
NA STANDARD CURVE
NA STANDARD CURVE
NA STANDARD CURVE
B MARKERS

A N16 18 20 22 24 26 28 30 STANDARD CURVE
N | 17 | 19 | 21 | 23 | 25 | 27 | 29 | N

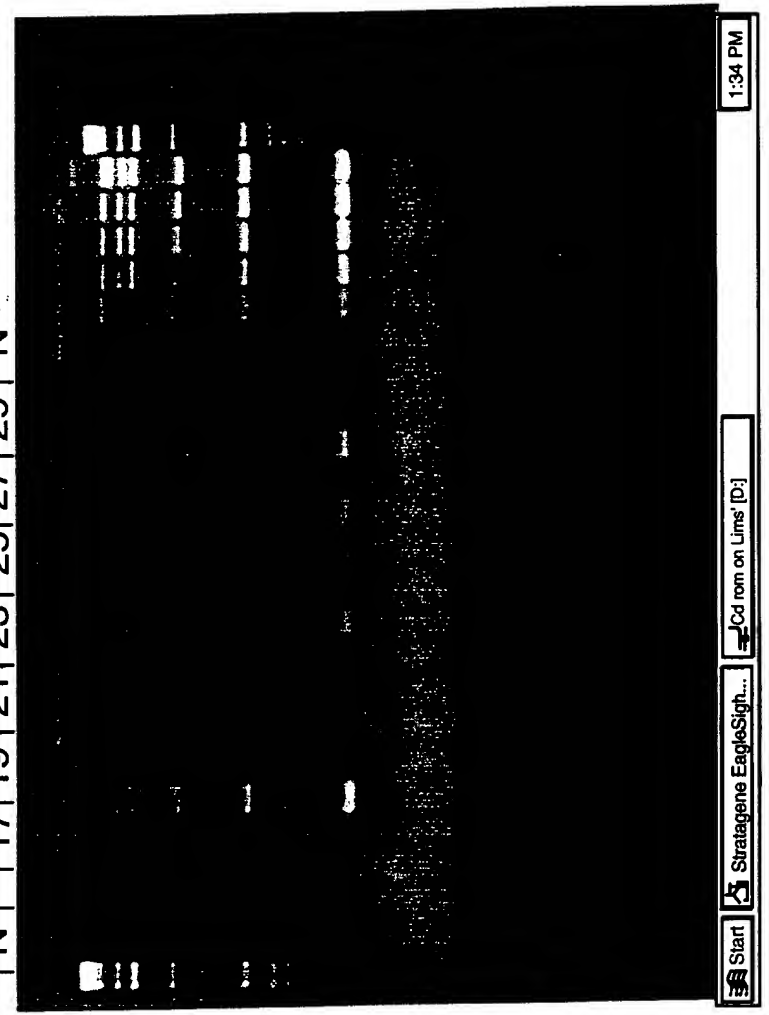


FIG. 11B

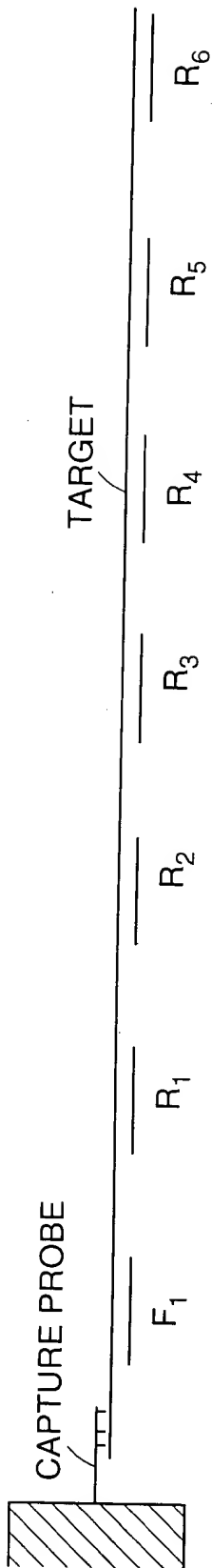


FIG. 12

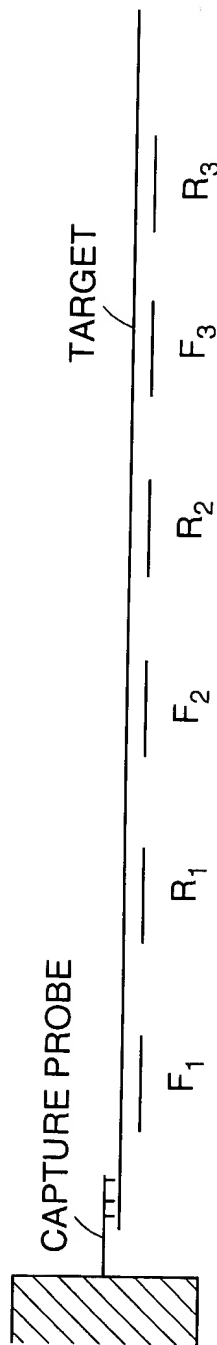


FIG. 13